Dr. Ola Mohamed Hegazy

POSITION: Assistant Professor

Personal Data

Nationality | Egyptian

Date of Birth | 15-6-1965

Department |Computer Sciences (IAU)

Official IAU Email | ohegazy@iau.edu.sa

Phone No. | +966580474422 (IAU – Saudi Arabia)

Language Proficiency

Language	Read	Write	Speak
Arabic	Excellent	Excellent	Excellent
English	Excellent	Excellent	Excellent

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
2009	PHD in Quantum Computer Networks	Ain Shams University, Faculty of Engineering	Cairo, Egypt
1993	Master in Distributed Computer Networks	Cairo University, Faculty of Engineering	Cairo, Egypt
1987	Bachelor of Electrical and Communications Engineering	Cairo University, Faculty of Engineering	Cairo, Egypt

PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)

PhD	**A Model of Security Protocols for Distributed Quantum Systems**
Master	**Performance Evaluation of Distributed Computer Networks**

Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work		Date
Assistant Professor	Applied college, Imam Abdulrahman Bin Faisal University (IAU)	Dammam, Saudi Arabia	**2020 till now**

Assistant Professor	Qatif Community College, Imam Abdullrahman Bin Faisal University (IAU)	Dammam, Saudi Arabia	**2014-2019**
Assistant Professor	Canadian International College	Cairo, Egypt	**2009**
Lecturer	Canadian International College	Cairo, Egypt	**2005**
Lecturer	Modern Academy in Maadi	Cairo, Egypt	**2001**
Researcher	The National Center for Examinations and Educational Evaluation (NCEEE)	Cairo, Egypt	**1996**
Lecturer	Cairo Higher Institute for Computer Information and Management	Cairo, Egypt	**1995**
Sales and Maintenance Engineer	Giza Systems Engineering Company	Cairo, Egypt	**1987**

Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date
Head of development committee for Computer Networks and Security program	Applied College (Qatif & Dammam), Abdulrahman Bin Faisal University	2025-2026
Head of Strategic planning and Risk management Committee	Applied College (Qatif & Dammam), Abdulrahman Bin Faisal University	2024- 2025
Member of Activities committee	Computer department, Applied College (Dammam), Abdulrahman Bin Faisal University	2022-2024
Member of computer department board	Applied College (Qatif & Dammam), Abdulrahman Bin Faisal University	2016-2024
Academic Advisor for the scholarships staff	Computer department, Applied College (Dammam), Abdulrahman Bin Faisal University	2020-2024
Member of the Scientific Committee of Computer department	Computer department, Community College (Qatif & Dammam), Abdulrahman Bin Faisal University	2019-2022
Member of the Scientific Committee of IS track	Computer department, Community College (Qatif & Dammam), Abdulrahman Bin Faisal University	2018-2019
Head of Graduation Projects Evaluation Committee	Computer department, Community College (Qatif & Dammam), Abdulrahman Bin Faisal University	2018
Head of Scientific Committee for IT track	Computer department, Community College (Qatif & Dammam), Abdulrahman Bin Faisal University	2017-2018
Head of Computer department	Qatif Community College, Imam Abdulrahman Bin Faisal University	2016
Head of Academic Advising committee	Computer department, Qatif Community College, Imam Abdulrahman Bin Faisal University	2014-2016

Scientific Achievements

Published Refereed Scientific Research
(In Chronological Order Beginning with the Most Recent)

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication

#			
1	Dr. Ola Hegazy	EXPLAINABLE ARTIFICIAL NEURAL NETWORK MODEL FOR DIAGNOSIS OF LUNG CANCER	LEX LOCALIS-JOURNAL OF LOCAL SELF-GOVERNMENT ISSN:1581-5374 E-ISSN:1855-363X VOL. 23, NO. S5(2025) 3007
2	Dr. Ola Hegazy	An IoT-Enabled Hybrid Deep Q-Learning and Elman Neural Network Framework for Proactive Crop Healthcare in the Agriculture Sector	ELSEVIER - Internet of Things, Journal ISSN: 2542-6605 Published on 14/7/2025 https://www.scopus.com/authid/detail.uri?authorId=35317310800 [Hegazy, Ola M. - Author details - Scopus](https://www.scopus.com/authid/detail.uri?authorId=35317310800)
3	Dr. Ola Hegazy	Online Sports Activities Travel Guide (SATG)	Future of Information and Communication Conference (FICC), San Francisco, USA, 5-6 March 2020 Published in conference proceedings of Springer Nature Switzerland AG 2020 "Advances in Information and Communication" https://link.springer.com/book/10.1007/978-3-030-39445-5
4	Dr. Ola Hegazy	A Comparative Study for QSDC Protocols with a Customized Best Solution Approach	Computing Conference 2019, 16-17 July 2019, London Conference proceedings published in Springer series "Advances in Intelligent Systems and Computing", 23 June 2019. https://link.springer.com/chapter/10.1007/978-3-030-22871-2_11
5	Dr. Ola Hegazy	Quantum communication versus Classical Communication	International Conference on Trends & Innovations in Management, Engineering, Science & Humanities, Dec 2018, Dubai, UAE (Date of publishing: Jan 10, 2019), conference proceedings published in International Journal of Trend in Research and Development (IJTRD), ISSN: 2394-9333, Special Issue|ICTIMESH-18,December2018,URL: http://www.ijtrd.com/papers/IJTRD19218.pdf
6	Dr. Ola Hegazy, Dr. Ayman Bahaa, Dr. Yasser El Dakrory	Quantum Secure Direct Communication Using Entanglement and Super-Dense Coding	SECRYPT 2009, International Conference on Security and Cryptography, July 2009, Milan, Italy
7	E. Ola Mohamed Hegazy	Quantum Entanglement-Based Protocol for Security Direct Communication	The 43rd yearly Conference for Statistics and Computer Science and Operational Research, December 2008, Institute of Studies and Statistical Research, Cairo, Egypt

Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date
1	Dr. Ola Hegazy	EXPLAINABLE ARTIFICIAL NEURAL NETWORK MODEL FOR DIAGNOSIS OF LUNG CANCER	LEX LOCALIS-JOURNAL OF LOCAL SELF-GOVERNMENT ISSN:1581-5374 E-ISSN:1855-363X VOL. 23, NO. S5(2025) 3007
2	Dr. Ola Hegazy	An IoT-Enabled Hybrid Deep Q-Learning and Elman Neural Network Framework for	ELSEVIER - Internet of Things, Journal ISSN: 2542-6605 Published on 14/7/2025

		Proactive Crop Healthcare in the Agriculture Sector	
3	Dr. Ola Hegazy	Online Sport Activities Travel Guide (SATG)	FICC 2020 proceedings published in Springer series "Advances in Information and Communication", 7th March 2020.
4	Dr. Ola Hegazy	A Comparative Study for QSDC Protocols with a Customized Best Solution Approach	Computing Conference 2019, 16-17 July 2019, London Conference proceedings published in Springer series "Advances in Intelligent Systems and Computing", 23 June 2019.
5	Dr. Ola Hegazy	Quantum communication versus Classical Communication	International Conference on Trends & Innovations in Management, Engineering, Science & Humanities, Dec 20-23, 2018 (Date of publishing: Jan 10, 2019)

Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
1	GIITS Aramco conference	Dharan Exhibitions, 17/11/2023	Attendance
2	Future of Information and Communication Conference (FICC) 2020, (San Francisco)	San Francisco, USA, 5-6 March 2020	Research Paper
3	Computing Conference 2019, (London)	London, UK, 16-17 July 2019	Research Paper
4	International Conference on Higher Education 2019 (Riyadh)	Riyadh, Saudi Arabia, Apr 10-13, 2019	Attendance
5	International Conference on Trends & Innovations in Management, Engineering, Science & Humanities	Dubai, UAE, Dec 20-23, 2018	Research Paper
6	SECRYPT 2009, International Conference on Security and Cryptography	July 2009, Milan, Italy	Research Paper
7	The 43rd yearly Conference for Statistics and Computer Science and Operational Research	December 2008, Institute of Studies and Statistical Research, Cairo, Egypt	Research Paper

Membership of Scientific and Professional Societies and Organizations

- **Member of the Egyptian Engineers Syndicate (Cairo, Egypt)**
- **Member of American Physical Society (USA)**
- **Member of Technical Program Committee of "The 2nd annual International Conference on Software Engineering and Service Science [ICSESS2019]" Wuhan, China, April 19th-20th, 2019.**
- **Member of Technical Program Committee of "2019 International Symposium on Quantum Computation and Communication, SQCC" Sanya, China, January 5-7, 2019.**

- **Permanent Member of Editorial Board AAST for Conferences (Academy of Arts, Science & Technology), 2019.**
- **Reviewer Member is the technical board of Springer Nature journal (2019-2020).**

Teaching Activities

Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	ENGINEERING MATHIMATICS	Cairo, Egypt	Lecturer and Coordinator
2	BUSINESS MATHEMATICS	Cairo, Egypt	Lecturer and Coordinator
3	STATISTICS	Cairo, Egypt	Lecturer and Coordinator
4	ELECTRIC CIRCUITS ANALYSIS	Cairo, Egypt	Lecturer
5	COMPUTER NETWORKS (Introduction and Advanced levels)	Cairo, Egypt	Lecturer and Coordinator
6	ADVANCED TCP/IP PROTOCOL	Cairo, Egypt	Lecturer and Coordinator
7	SERVER TECHNOLOGIES	Cairo, Egypt	Lecturer and Coordinator
8	WAN TECHNOLOGIES	Cairo, Egypt	Lecturer and Coordinator
9	INTERNET ADMINISTRATION	Cairo, Egypt	Lecturer and Coordinator
10	PROGRAMMING LANGUAGES (C++)	Cairo, Egypt	Lecturer and Coordinator
11	WINDOWS SERVER TECHNOLOGIES	Cairo, Egypt	Lecturer and Coordinator
12	COMPUTER ORGANIZATION		
13	PC HARDWARE FUNDAMENTALS	Cairo, Egypt	Lecturer and Coordinator
14	DIGTAL LOGIC CIRCUITS		
15	INFORMATION SYSTEMS	Cairo, Egypt	Lecturer and Coordinator
16	INTRODUCTION TO OPERATING SYSTEM	Cairo, Egypt	Lecturer and Coordinator
In IAU (Saudi Aribia)		
17	COMPUTER NETWORKS	CS 120	Lecturer and Coordinator
18	MODELING AND SIMULATION	CIS 312	Lecturer and Coordinator
19	PERFORMANCE AND EVALUATION FOR COMPUTER SYSTEMS	COMP 307	Lecturer and Coordinator
20	IT GRADUATION PROJECT	CS 314	Lecturer and Coordinator
21	COMPUTER ORGANIZATION	IT 120	Lecturer and Coordinator
22	DATA NETWORKS DESIGN AND EVALUATION	COMP 321	Lecturer and Coordinator
23	WIRELESS NETWORKS	COMP 322	Lecturer and Coordinator
24	JAVA PROGRAMMING	CS 110	Lecturer
25	WEB PROGRAMMING (USING PYTHON)	COMP 314	Lecturer and Coordinator
26	NETWORK SECURITY	COMP 331	Lecturer and Coordinator
27	WEB APPLICATION SECURITY	COMP 317	Lecturer and Coordinator
28	CRYPTOGRAPHY AND INFORMATION SECURITY	Comp 328	Lecturer and Coordinator
29	DIGITAL HARDWARE	CS 314	Lecturer
30	CYBER SECURITY	CYS 110	Lecturer

Course Coordination

#	Course Title and Code	Coordination	Co-coordination	Undergrad.	Postgrad.	From	To
1	ENGINEERING MATHIMATICS	✓		✓		2005	2006
2	BUSINESS MATHEMATICS	✓		✓		2005	2009
3	STATISTICS	✓		✓		2006	2007
4	WAN TECHNOLOGIES	✓		✓		2009	2014
5	INTERNET ADMINISTRATION	✓		✓		2009	2014
6	PROGRAMMING LANGUAGES (C++)	✓		✓		2009	2014
7	WINDOWS SERVER TECHNOLOGIES	✓		✓		2009	2014
8	SERVER TECHNOLOGIES	✓		✓		2009	2014
9	COMPUTER NETWORKS (Introduction and Advanced levels)	✓		✓		2009	2014
10	ADVANCED TCP/IP PROTOCOL	✓		✓		2009	2014
11	PC HARDWARE FUNDAMENTALS	✓		✓		2009	2014
12	INFORMATION SYSTEMS	✓		✓		2009	2014
13	INTRODUCTION TO OPERATING SYSTEM	✓		✓		2009	2014
14	COMPUTER NETWORKS (CISCO TRACKS)	✓		✓		2014	2015
15	MODELING AND SIMULATION	✓		✓		2015	2017
16	PERFORMANCE AND EVALUATION FOR COMPUTER SYSTEMS	✓		✓		2017	Now
17	IT GRADUATION PROJECT	✓		✓		2015	2016
18	DATA NETWORKS DESIGN AND EVALUATION	✓		✓		2018	2018
19	INTRODUCTION TO JAVA PROGRAMMING		✓	✓		2019	Now
20	WIRLESS NETWORKS	✓		✓		2020	Now
21	INFORMATION SYSTEMS PROJECT MANANGMENT		✓	✓		2020	Now
22	WEB PROGRAMMING (USING PYTHON)	✓		✓		2022	2022
23	NETWORK SECURITY	✓		✓		2022	2023
24	WEB APPLICATION SECURITY		✓	✓		2022	2023
25	CRYPTOGRAPHY AND INFORMATION SECURITY	✓		✓		2022	2023
26	WEB APPLICATION SECURITY	✓		✓		2024	2025

Coche and Instructor's Lectures for Undergraduate Students

#	Activity/Course Title and Code	Subject	College and University or Program	Date
1	Workshop for graduates	The use of Internet to look for a job	Community College – IAU – Computer Science program	25-11-2020
2	Workshop for graduates	Problem Solving and Critical Thinking	Applied College – IAU – Computer Science program	17-2-2021
3	Workshop for graduates	Persuasion Skills	Applied College – IAU – Computer Science program	20-3-2021
4	Exhibition for undergraduates	Networks Security	Applied College – IAU – Computer Science program	20-4-2024

Student Academic Supervision and Mentoring

#	Level	Number of Students	From	To
1	College undergraduates	30	18-1-2020	Now
2	College undergraduates	14	23-8-2019	4-1-2020
3	College undergraduates	8	6-1-2019	23-5-2019
4	College undergraduates	18	1-9-2018	1-6-2019
5	College undergraduates	5	5-2-2017	1-9-2018

Administrative Responsibilities, Committee and Community Service (Beginning with the most recent)

Administrative Responsibilities

#	From	To	Position	Organization
1	20-4-2025	Now	Supervisor of Computer Networks and Security program development committee	Computer department-Applied college
2	12-4-2025	Now	Member of courses development committee	Computer department-Applied college
3	1-9-2024	Now	Head of strategic planning and Risk management committee	Computer department-Applied college
4	1-9-2023	1-5-2024	Member of innovation committee defense jury and evaluators	Applied College (Dammam)

#	From	To	Position	Organization
5	1-9-2020	30-5-2023	Member of graduation projects defense jury and evaluators	Applied College (Qatif – Dammam)
6	2020	Now	Academic Supervision and Mentoring for post graduates Scholarship colleagues	Applied College (Qatif – Dammam)
7	1-9-2019	2022	Graduation projects supervisor & member of defense jury and evaluators	Community College (Qatif – Dammam)
8	1-9-2019	Now	Member of Scientific Committee of Computer department	Community College (Qatif – Dammam)
9	1-10-2018	1-9-2019	Member of Scientific Committee for IS track	Community College (Qatif – Dammam)
10	1-4-2018	1-1-2019	Head of Graduation Projects Evaluation Committee	Community College (Qatif – Dammam)
11	1-9-2017	1-10-2018	Head of Scientific Committee for IT track	Community College (Qatif – Dammam)
12	6-3-2016	20-3-2017	Head of Computer Department	Community College (Qatif)
13	1-11-2015	5-3-2016	Member Social Services and Development Committee	Qatif Community College
14	1-1-2016	5-3-2016	Coordinator Self-Study Standard Committee	Qatif Community College
15	1-10-2015	5-3-2016	Vice Chairman of Graduation Projects Committee	Qatif Community College
16	9-9-2015	5-3-2016	Vice Chairman of Academic Research Committee	Qatif Community College
17	1-11-2014	5-3-2016	Vice Chairman of Academic Advising	Qatif Community College

Committee Membership

#	From	To	Position	Organization
1	20-4-2025	Now	Supervisor	Computer Networks and Security Program Development Committee in Computer Department

2	12-4-2025	Now	Member	Computer Department Committee of Courses Development
3	1-11-2014	Now	Member	Council board of Computer Department in the Community College
4	5-3-2016	1-3-2017	Member	Higher Council board of the Community College
5	5-3-2016	18-5-2017	Chairman	Advisory Committee of Computer Department in the Community College
6	10-9-2016	15-2-2017	Chairman	Students Activities and Scientific Club Committee for Computer Department in the Community College
7	10-9-2016	15-2-2017	Member	Faculty and Academic Affairs for Computer Department in the Community College
8	10-9-2016	15-2-2017	Member	Scientific Committee for Computer Department in the Community College
9	10-9-2016	6-6-2018	Member	Curriculums Development Committee for Computer Department in the Community College
10	1-4-2017	1-10-2018	Chairman	The IT branch of the Scientific Committee for Computer Department in the Community College
11	1-9-2016	18-5-2017	Member	Annual Program Report Committee for Computer Department in the Community College
12	1-4-2017	1-9-2017	Member	Exams Questions Preparation and Evaluation Committee for Computer Department in the Community College
13	1-4-2018	Now	Chairman	Graduation Projects Evaluation Committee of Computer Department Applied College
14	2018	2019	Member	Scientific Committee of IS track of Computer Department Applied College
15	2019	Now	Member	Scientific Committee of computer department in Applied College
16	2020	Now	Member	Academic Advisor for the scholarships staff
17	2016	Now	Member	Computer Department Applied College
18	2023	Now	Member	Activities committee of Computer Department Applied College
19	2024	Now	Chairman	Strategic planning and Risk management Committee- Applied College

Scientific Consultations

#	From	To	Institute	Full-time or Part-time
1	29-9-2018	6-5-2019	Technical Program Committee member of "The 2nd annual International Conference on Software Engineering and Service Science [ICSESS2019]" conference, Wuhan, China, April 19th-20th, 2019	Part-time
2	1-10-2018	5-1-2019	Technical Program Committee Member of "2019 International	Part-time

			Symposium on Quantum Computation and Communication, SQCC" Conference, Sanya, China, January 5-7, 2019	
3	10-1-2019	Jan 2020	A Member of Editorial Board AAST for Conferences (Academy of Arts, Science & Technology), 2019	Part-time
4	July 2019	Now	Peer reviewer in Springer Nature journal "Optical and Quantum Electronics"	Part-time
5	2010	Now	Supervising more than 30 graduation projects for undergraduates	Full-time

Volunteer Work

#	From	To	Type of Volunteer	Organization
1	Jan 2024	June 2024	Exhibition for students' projects in Web Application Security subject	Computer department - Applied College
2	Nov 2020	Nov 2020	Introducing a workshop named "Critical thinking and problem solving"	Alumni section in Applied college
3	Feb 2021	Feb 2021	Introducing a workshop named "Internet Skills for Job Search"	Alumni section in Applied college
4	May 2018	May 2018	Exhibition for students' projects in Networks Design and Evaluation subject	Computer department - Qatif Community College

Personal Key Competencies and Skills: (Computer, Information technology, technical, etc.)

1	Communication Skills
2	Computer Programming and different application use.
3	Preparation, development, and equalization of IT & Engineering & Computer Science curriculum
4	Supervision of graduation projects, academic research, and technical workshops / groups
5	Research skills and collect data with analyzing it and developing solutions based on these analyses.
6	Refereeing skills as a peer review for conference papers and high ranked magazines.
7	Quality assurance skills
8	Auditing, Evaluating and Supervising innovation projects & graduation projects

Last Update

13th of Nov 2025